Available online at www.sciencedirect.com
SCIENCE DIRECT®
Hearing Research 192 (2004) 131
HEARING RESEARCH
www.elsevier.com/locate/heares

Author Index Volume 192

Albers, F.W.J., see Valk, W.L. (192) 47

Baumann, I., see Zenner, H.P. (192) 36
Blair, A., see Santi, P.A. (192) 75
Bohne, B.A., see Santi, P.A. (192) 75
Borg, E., see Duan, M. (192) 1

Cannon, T., see Guimaraes, P. (192) 83
Coltrera, M.D., see Heydt, J.L. (192) 65
Counter, S.A., see Duan, M. (192) 1
Cunningham, L.L., see Heydt, J.L. (192) 65

Duan, M., Qiu, J., Laurell, G., Olofsson, Å., Counter, S.A. and Borg, E.
Dose and time-dependent protection of the antioxidant *N*-L-acetylcysteine against impulse noise trauma (192) 1

Eiber, A., see Zenner, H.P. (192) 36

Freeman, S., see Perez, R. (192) 101
Freitag, H.-G., see Zenner, H.P. (192) 36
Frisina, R.D., see Guimaraes, P. (192) 83

Glasberg, B.R., see Stainsby, T.H. (192) 119
Gopal, K. V. and Gross, G.W.
Unique responses of auditory cortex networks in vitro to low concentrations of quinine (192) 10
Gross, G.W., see Gopal, K.V. (192) 10
Guimaraes, P., Zhu, X., Cannon, T., Kim, S. and Frisina, R.D.
Sex differences in distortion product otoacoustic emissions as a function of age in CBA mice (192) 83

Heydt, J.L., Cunningham, L.L., Rubel, E.W. and Coltrera, M.D.
Round window gentamicin application: an inner ear hair cell damage protocol for the mouse (192) 65

Ishida, Y., see Sugawara, M. (192) 57

Kim, S., see Guimaraes, P. (192) 83

Laurell, G., see Duan, M. (192) 1
Lehner, R., see Zenner, H.P. (192) 36
Linti, C., see Zenner, H.P. (192) 36
Lukkes, J., see Santi, P.A. (192) 75

Mauz, P.-S., see Zenner, H.P. (192) 36
Meenderink, S.W.F. and van Dijk, P.
Level dependence of distortion product otoacoustic emissions in the leopard frog, *Rana pipiens pipiens* (192) 107
Moore, B.C.J., see Stainsby, T.H. (192) 119
Moore, B.C.J., Stainsby, T.H. and Tarasewicz, E.
Effects of masker component phase on the forward masking produced by complex tones in normally hearing and hearing-impaired subjects (192) 90
Muñoz, D.J.B., see Searchfield, G.D. (192) 23

Nietfeld, J., see Santi, P.A. (192) 75

Olofsson, Å., see Duan, M. (192) 1

Perez, R., Freeman, S. and Sohmer, H.
Effect of an initial noise induced hearing loss on subsequent noise induced hearing loss (192) 101
Planck, H., see Zenner, H.P. (192) 36
Preyer, S., see Zenner, H.P. (192) 36

Qiu, J., see Duan, M. (192) 1

Rodriguez Jorge, J., see Zenner, H.P. (192) 36
Rubel, E.W., see Heydt, J.L. (192) 65

Sürth, M., see Zenner, H.P. (192) 36
Santi, P.A., Blair, A., Bohne, B.A., Lukkes, J. and Nietfeld, J.
The Digital Cytocochleogram (192) 75
Searchfield, G.D., Muñoz, D.J.B. and Thorne, P.R.
Ensemble spontaneous activity in the guinea-pig cochlear nerve (192) 23
Sohmer, H., see Perez, R. (192) 101
Stainsby, T.H., Moore, B.C.J. and Glasberg, B.R.
Auditory streaming based on temporal structure in hearing-impaired listeners (192) 119
Stainsby, T.H., see Moore, B.C.J. (192) 90
Steinhardt, U., see Zenner, H.P. (192) 36
Sugawara, M., Ishida, Y. and Wada, H.
Mechanical properties of sensory and supporting cells in the organ of Corti of the guinea pig cochlea – study by atomic force microscopy (192) 57

Tarasewicz, E., see Moore, B.C.J. (192) 90
Thorne, P.R., see Searchfield, G.D. (192) 23

Valk, W.L., Wit, H.P. and Albers, F.W.J.
Evaluation of cochlear function in an acute endolymphatic hydrops model in the guinea pig by measuring low-level DPOAEs (192) 47
van Dijk, P., see Meenderink, S.W.F. (192) 107

Wada, H., see Sugawara, M. (192) 57
Wit, H.P., see Valk, W.L. (192) 47

Zenner, H.P., Freitag, H.-G.,Linti, C., Steinhardt, U., Rodriguez Jorge, J., Preyer, S., Mauz, P.-S., Sürth, M., Planck, H., Baumann, I., Lehner, R. and Eiber, A.
Acoustomechanical properties of open TTP® titanium middle ear prostheses (192) 36
Zhu, X., see Guimaraes, P. (192) 83

doi:10.1016/S0378-5955(04)00150-9

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Hearing Research 192 (2004) 133–134
HEARING RESEARCH
www.elsevier.com/locate/heares

Subject Index Volume 192

Aging
Mouse, Presbycusis, Menopause, Hearing loss (Guimaraes, P. (192) 83)

Aminoglycoside
Ototoxicity, Hair cell, Damage protocol (Heydt, J.L. (192) 65)

Amphibia
Distortion product otoacoustic emissions, Input–output curves, Frog (Meenderink, S.W.F. (192) 107)

Antioxidant
Impulse noise, Cochlea, *N*-L-acetylcysteine, Inner ear, Rat, Reactive oxygen species (Duan, M. (192) 1)

Atomic force microscopy
Hensen's cells, Deiters' cells, Inner hair cells, Mechanical properties (Sugawara, M. (192) 57)

Auditory cortex
Quinine, Inferior colliculus, Frontal cortex, Networks in vitro, Multielectrode array, Electrophysiologic activity (Gopal, K.V. (192) 10)

Basilar membrane
Endolymph, Injection, Hydrops, Menière's disease, Compliance (Valk, W.L. (192) 47)

Cochlea
Antioxidant, Impulse noise, *N*-L-acetylcysteine, Inner ear, Rat, Reactive oxygen species (Duan, M. (192) 1)

Cochlea
Guinea-pig, Round window, Spontaneous activity, Tinnitus (Searchfield, G.D. (192) 23)

Complex tones
Stream segregation, Hearing impairment, Phase effects (Stainsby, T.H. (192) 119)

Compliance
Endolymph, Injection, Hydrops, Menière's disease, Basilar membrane (Valk, W.L. (192) 47)

Damage protocol
Aminoglycoside, Ototoxicity, Hair cell (Heydt, J.L. (192) 65)

Deiters' cells
Hensen's cells, Inner hair cells, Mechanical properties, Atomic force microscopy (Sugawara, M. (192) 57)

Distortion product otoacoustic emissions
Input–output curves, Amphibia, Frog (Meenderink, S.W.F. (192) 107)

Electrophysiologic activity
Quinine, Auditory cortex, Inferior colliculus, Frontal cortex, Networks in vitro, Multielectrode array (Gopal, K.V. (192) 10)

Endolymph
Injection, Hydrops, Menière's disease, Basilar membrane, Compliance (Valk, W.L. (192) 47)

Forward masking
Phase effects in masking, Hearing impairment (Moore, B.C.J. (192) 90)

Frog
Distortion product otoacoustic emissions, Input–output curves, Amphibia (Meenderink, S.W.F. (192) 107)

Frontal cortex
Quinine, Auditory cortex, Inferior colliculus, Networks in vitro, Multielectrode array, Electrophysiologic activity (Gopal, K.V. (192) 10)

Guinea-pig
Cochlea, Round window, Spontaneous activity, Tinnitus (Searchfield, G.D. (192) 23)

Hair cell
Aminoglycoside, Ototoxicity, Damage protocol (Heydt, J.L. (192) 65)

Hearing impairment
Phase effects in masking, Forward masking (Moore, B.C.J. (192) 90)

Hearing impairment
Stream segregation, Phase effects, Complex tones (Stainsby, T.H. (192) 119)

Hearing loss
Mouse, Aging, Presbycusis, Menopause (Guimaraes, P. (192) 83)

Hensen's cells
Deiters' cells, Inner hair cells, Mechanical properties, Atomic force microscopy (Sugawara, M. (192) 57)

Hydrops
Endolymph, Injection, Menière's disease, Basilar membrane, Compliance (Valk, W.L. (192) 47)

Impulse noise
Antioxidant, Cochlea, *N*-L-acetylcysteine, Inner ear, Rat, Reactive oxygen species (Duan, M. (192) 1)

doi:10.1016/S0378-5955(04)00151-0

Inferior colliculus
Quinine, Auditory cortex, Frontal cortex, Networks in vitro, Multielectrode array, Electrophysiologic activity (Gopal, K.V. (192) 10)

Injection
Endolymph, Hydrops, Menière's disease, Basilar membrane, Compliance (Valk, W.L. (192) 47)

Inner ear
Antioxidant, Impulse noise, Cochlea, *N*-L-acetylcysteine, Rat, Reactive oxygen species (Duan, M. (192) 1)

Inner hair cells
Hensen's cells, Deiters' cells, Mechanical properties, Atomic force microscopy (Sugawara, M. (192) 57)

Input–output curves
Distortion product otoacoustic emissions, Amphibia, Frog (Meenderink, S.W.F. (192) 107)

Mechanical properties
Hensen's cells, Deiters' cells, Inner hair cells, Atomic force microscopy (Sugawara, M. (192) 57)

Menière's disease
Endolymph, Injection, Hydrops, Basilar membrane, Compliance (Valk, W.L. (192) 47)

Menopause
Mouse, Aging, Presbycusis, Hearing loss (Guimaraes, P. (192) 83)

Middle ear model
Passive middle ear prosthesis, Titanium prosthesis (Zenner, H.P. (192) 36)

Mouse
Aging, Presbycusis, Menopause, Hearing loss (Guimaraes, P. (192) 83)

Multielectrode array
Quinine, Auditory cortex, Inferior colliculus, Frontal cortex, Networks in vitro, Electrophysiologic activity (Gopal, K.V. (192) 10)

Networks in vitro
Quinine, Auditory cortex, Inferior colliculus, Frontal cortex, Multielectrode array, Electrophysiologic activity (Gopal, K.V. (192) 10)

***N*-L-acetylcysteine**
Antioxidant, Impulse noise, Cochlea, Inner ear, Rat, Reactive oxygen species (Duan, M. (192) 1)

Noise induced hearing loss
Permanent threshold shift, Rat, Susceptibility (Perez, R. (192) 101)

Ototoxicity
Aminoglycoside, Hair cell, Damage protocol (Heydt, J.L. (192) 65)

Passive middle ear prosthesis
Middle ear model, Titanium prosthesis (Zenner, H.P. (192) 36)

Permanent threshold shift
Noise induced hearing loss, Rat, Susceptibility (Perez, R. (192) 101)

Phase effects
Stream segregation, Hearing impairment, Complex tones (Stainsby, T.H. (192) 119)

Phase effects in masking
Forward masking, Hearing impairment (Moore, B.C.J. (192) 90)

Presbycusis
Mouse, Aging, Menopause, Hearing loss (Guimaraes, P. (192) 83)

Quinine
Auditory cortex, Inferior colliculus, Frontal cortex, Networks in vitro, Multielectrode array, Electrophysiologic activity (Gopal, K.V. (192) 10)

Rat
Antioxidant, Impulse noise, Cochlea, *N*-L-acetylcysteine, Inner ear, Reactive oxygen species (Duan, M. (192) 1)

Rat
Noise induced hearing loss, Permanent threshold shift, Susceptibility (Perez, R. (192) 101)

Reactive oxygen species
Antioxidant, Impulse noise, Cochlea, *N*-L-acetylcysteine, Inner ear, Rat (Duan, M. (192) 1)

Round window
Cochlea, Guinea-pig, Spontaneous activity, Tinnitus (Searchfield, G.D. (192) 23)

Spontaneous activity
Cochlea, Guinea-pig, Round window, Tinnitus (Searchfield, G.D. (192) 23)

Stream segregation
Hearing impairment, Phase effects, Complex tones (Stainsby, T.H. (192) 119)

Susceptibility
Noise induced hearing loss, Permanent threshold shift, Rat (Perez, R. (192) 101)

Tinnitus
Cochlea, Guinea-pig, Round window, Spontaneous activity (Searchfield, G.D. (192) 23)

Titanium prosthesis
Passive middle ear prosthesis, Middle ear model (Zenner, H.P. (192) 36)